

To: Jarrett Byrnes[Jarrett.Byrnes@umb.edu]
From: Colarusso, Phil
Sent: Mon 8/3/2015 3:20:30 PM
Subject: RE: Searching for GOM kelp data

David.taylor@mwra.com

Good luck

From: Jarrett Byrnes [mailto:Jarrett.Byrnes@umb.edu]
Sent: Monday, August 03, 2015 11:18 AM
To: Colarusso, Phil
Subject: Re: Searching for GOM kelp data

Awesome - any chance you could give me his email address?

Thanks!

On Aug 3, 2015, at 11:13 AM, Colarusso, Phil <colarusso.phil@epa.gov> wrote:

Jarrett,

I'm assuming that the Normandeau dataset you refer to is from their monitoring for Seabrook Station? I believe that there is a similar though less ambitious monitoring effort for Pilgrim Station in Plymouth. They had issues with a potential thermal exclusion near their point of discharge. I don't think the MWRA is doing anything with kelps, but you might want to contact Dave Taylor just to double check. Don't know of anyone else in the regulated community that would be doing anything quantitative.

Phil

From: Jarrett Byrnes [<mailto:Jarrett.Byrnes@umb.edu>]
Sent: Monday, August 03, 2015 10:22 AM
To: Malkoski, Vincent (MISC); Perry, Derek (FWE); Colarusso, Phil
Cc: Sheldrake, Sean; Nelson, Eric; Whitmore, Kelly (MISC)
Subject: Searching for GOM kelp data

All,

I'm part of a group doing a global meta-analysis of change in kelp over time. We've basically been scouring the literature and white and grey literature to find data sets that

- 1) Have measures of kelp abundance from the same site
- 2) Are longer than 3 years
- 3) Have more than 3 samples taken within the same season
- 4) Are not aerial canopy surveys (those are a whole separate project) (and usually only good for *Macrocystis*) (oh, heck, the other project is <http://floatingforests.org>)

This is actually trickier than you think. Many datasets are >3 years, but only 2 samples. Many have a *ton* of data points...over 1-2 years.

In particular, the Gulf of Maine (and New England in general - not forgetting about LIS) is pretty under-represented. We have a good hunk of data from Bob Steneck, a wonderful dataset from Normandeau, a few other bits and bobs, but not much else. This is somewhat problematic as, when we model the region in our large global model, we find there is still a high degree of uncertainty in any long term changes around here - but with the hint that if we only had more data (like California), we could actually get some real answers.

So, I'm writing you all as I've tried digging around on various agency websites, but, as a novice to spelunking in local agency data, I've not turned up much. This could be due to my lack of knowledge about how to efficiently find the information, or that it's not available online easily.

I was wondering if any of you either knew of such datasets that are available, or had any general pointers on finding them in local government sites. I'd be grateful, as, oh, for just a few more sites... We're so close to feeling confident in either having an answer, or being able to say there are no consistent trends with certainty!

-Jarrett

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